CLAIMS

- 1. A throttle apparatus, comprising:
 - a throttle valve which is disposed at an intake passage of an engine;
 - a throttle shaft which supports said throttle valve to open and close;
- a first drive means which includes a motor for rotational driving of said throttle shaft; and

a second drive means which exerts return force to said throttle shaft so as to return said throttle valve to a specific rest position.

- 2. The throttle apparatus according to claim 1, wherein said second drive means comprises a pulley which is fixed to said throttle shaft, a wire which is connected along the circumference direction of said pulley, and an electromagnetic solenoid which drives said wire.
- 3. The throttle apparatus according to claim 2, further comprising an angle detect sensor which detects angle position of said throttle valve, and a control means which controls the driving of at least said first drive means;

wherein said control means drives said electromagnetic solenoid based on a detect signal from said angle detect sensor and a drive signal of said first drive means.

- 4. The throttle apparatus according to claim 1, wherein said second drive means comprises a pulley which is fixed to said throttle shaft, a wire which is connected along the circumference direction of said pulley, and a hand-driven operating lever which drives said wire.
- 5. The throttle apparatus according to any one of claims 2 through 4, wherein said pulley is disposed at the vicinity to which drive force of said first drive means is exerted.